



ISSCT Joint Germplasm & Breeding and Molecular Biology Workshops - Improvement of sugarcane for stress environments

Okinawa, Japan, 22 to 26 October 2018

First Announcement

The Germplasm & Breeding and Molecular Biology Sections of The International Society of Sugar Cane Technologists (ISSCT) will jointly hold the 12th Germplasm & Breeding Workshop and 9th Molecular Biology Workshop in Okinawa, Japan, from 22nd to 26th October 2018.

Technical programme

The workshop will cover a wide range of topics related to sugarcane improvement, sugarcane genetics, genome structure, molecular breeding and transgenic approaches including:

Breeding and selection strategies & methodologies

- Introgression, germplasm
- Sugar, biomass, bioenergy, other traits
- Multi-locational selection (G x E interactions)
- Breeders' and variety rights
- Hybridization facilities, techniques
- Biometrical tools
- Breeding databases

Genetic and genome analysis

- Genome structure and diversity
- Association mapping and QTL analysis
- Genomic selection
- Bioinformatics tools and databases

Transgenics

- Genetic manipulation (sugar, energy content, disease resistance)
- Deployment of transgenic varieties

Field visits are also planned to:

Okinawa Prefectural Agricultural Research Center (Photoperiodic treatment and hybridization facilities, selection trials, and demonstration of small machines).

Workshop Venue

Okinawa Institute of Science and Technology Graduate University (OIST), 1919-1 Tancha, Onna-son, Kunigami-gun Okinawa, Japan 904-0495

Workshop website

Details will be provided in the next announcement.

Next announcement

The second announcement is expected in December 2017, and details of registration, accommodation and call for abstracts will be provided.

ISSCT Membership

All participants must be ISSCT members.

Membership dues amounting to USD 140 for the period 2016 – 2019 may be settled directly to the ISSCT Secretariat. For membership

application form and for additional information,
please visit the ISSCT website at:
<http://www.issct.org/member.html>

***For further information please contact the
Workshop organizers***

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